



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:										COUNTY: Alamance PERMIT NO.: 01-02 FILE TYPE: COMPLIANCE	
Lined MSWLF		LCID		YW		Transfer		Compost			SLAS
Closed MSWLF		HHW		White goods		Incin	X	T&P			FIRM
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO			SDTF

Date of Audit: 06/04/09**Date of Last Audit:** 1/22/09**FACILITY NAME AND ADDRESS:**

Stericycle, Inc.
 1168 Porter Avenue
 Haw River, North Carolina 27258

GPS COORDINATES: N: 36.06564 E: 79.34915**FACILITY CONTACT NAME AND PHONE NUMBER:**

Alan Skrzypczak, Facility Manager
 336-578-8900 ext.24
 email address: askrzpczak@stericycle.com

FACILITY CONTACT ADDRESS:

SAME

AUDIT PARTICIPANTS:

Alan Skrzypczak, Stericycle, Inc.
 Chris Marriott, NCDENR-SWS

STATUS OF PERMIT:

Original Permit Issued: January 31, 1991
 Permit Modification Issued: January 9, 1998
 Permit Renewal (Name change & Revised Operation Plan): September 15, 2003
Permit Review Date: September 15, 2008

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATIONS:

None

FACILITY COMPLIANCE AUDIT REPORT
Division of Waste Management
Solid Waste Section

Page 2 of 2

AREAS OF CONCERN AND COMMENTS:

- 1) The facility is a medical waste treatment operation consisting of two incinerators.
- 2) The site typically operates 24 hours per day in 2-12 hour shifts, 7 days per week. Exceptions to this schedule are for scheduled maintenance and repair down time.
- 3) The facility accepts non-hazardous waste consisting of regulated medical waste, unregulated medical waste, controlled substances seized by law enforcement, chemotherapeutic waste, health care industry documents, USDA-APHIS international waste, and pharmaceuticals.
- 4) There is no defined service area for the facility in the Solid Waste Permit. The facility typically receives waste from all 100 North Carolina counties and approximately 15-20 additional states.
- 5) Permit review date was September 15, 2008. A request for review was made by Stericycle, Inc. on October 27, 2008.
- 6) The Title V air permit has expired. A renewal application was submitted on August 31, 2006 as required with the Division of Air Quality schedule for permit renewals.
- 7) At the time of inspection both incinerator #1 and incinerator #2 were in operation.
- 8) A review of facility operating records the week of April 23-30, 2009. The data recorder charts indicated that temperatures exceeded the minimum of 1200 degrees F. for the primary chamber, and 1800 degrees F. in the secondary chamber during operations. A check of the readouts during the visit indicated temperatures of 2069 degrees F in the upper and 1653 degrees F in the lower chamber of unit #1. Unit 2 readout indicated temperatures of 2091 degrees F and 1686 degrees F in the upper and lower chambers, respectively. All of these temperatures are above the minimum operating temperatures for each chamber.
- 9) According to the summary logs, the facility processed a total of 11,284,758 pounds of waste during the months of January through May 2009, or an average of 2,256,952 pounds per month. During this same time period the facility incinerators operated a total of 1294 hours.
- 10) Ash generated by the incinerator is processed through a water squelch, then transferred to a 20 yard container, dewatered, and shipped to Upper Piedmont Landfill in Rougemont, NC.
- 11) The most recent ash sampling event was completed March 17, 2009. The laboratory results indicated that lead was below the laboratory's quantitation limits this sampling event.
- 12) There is no storage of medical waste inside the building. All waste is processed directly from incoming refrigerated trailers.
- 13) All wastewater generated inside the facility is collected via floor drains and processed on-site through a pre-treatment facility prior to discharge to the City of Graham WWTP.
- 14) A random review of load rates was completed. Hourly load rates on April 1st, 15th, 25th, and 30th were checked. The load rates for incinerator #1 on these days were: 1825 lb/hr, 1704 lb/hr, 1688 lb/hr, and 1904 lb/hr, respectively. The maximum load rate for the facility is 1911 lb/hr.
- 15) A wooden pallet was observed in the ash roll-off container. Facility staff was informed of the ban of wooden pallets from disposal in MSW landfill that begins October 1, 2009.

Please contact me if you have any questions or concerns regarding this audit report.



Chris Marriott
Environmental Senior Specialist
Regional Representative

Phone: 336-771-5090

Delivered on : June 15, 2009 by		Hand delivery	X	email		Certified No. []
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central District Supervisor